

AIR BAG SENSOR MODULE FASTENING DEVICE

ABSTRACT OF THE DISCLOSURE

An air bag sensor module fastening device for a vehicle is provided includes a vehicle mounting structure having an internally threaded member. A sensor is secured to a base for sensing vibrations caused by a crash of the vehicle. The base has an aperture extending therethrough that is aligned with the internally threaded member. The aperture includes a retaining portion. A fastener for securing the base to the vehicle mounting structure has a shaft with a head and a threaded portion opposite the head. The threaded portion is temporarily retained within the retaining portion in a shipping position. The threaded portion has a minor diameter and the shaft portion has a shaft diameter less than the minor diameter. As a result, the shaft will not be in an interference fit relationship with the retaining portion so that the compressive load of the fastener alone secures the base to the vehicle mounting structure. The threaded portion is disposed outside of the retaining portion in an installed position in which the threaded portion is received in the internally threaded member to secure the base to the vehicle mounting structure. In this manner, the threaded portion will engage only the internally threaded member so that the base is secured to the vehicle mounting structure by the compressive load of the fastener alone.